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ILLUSTRATED PARTS BOOK
CYCLONE Walk Behind Blower
P-WB-163150

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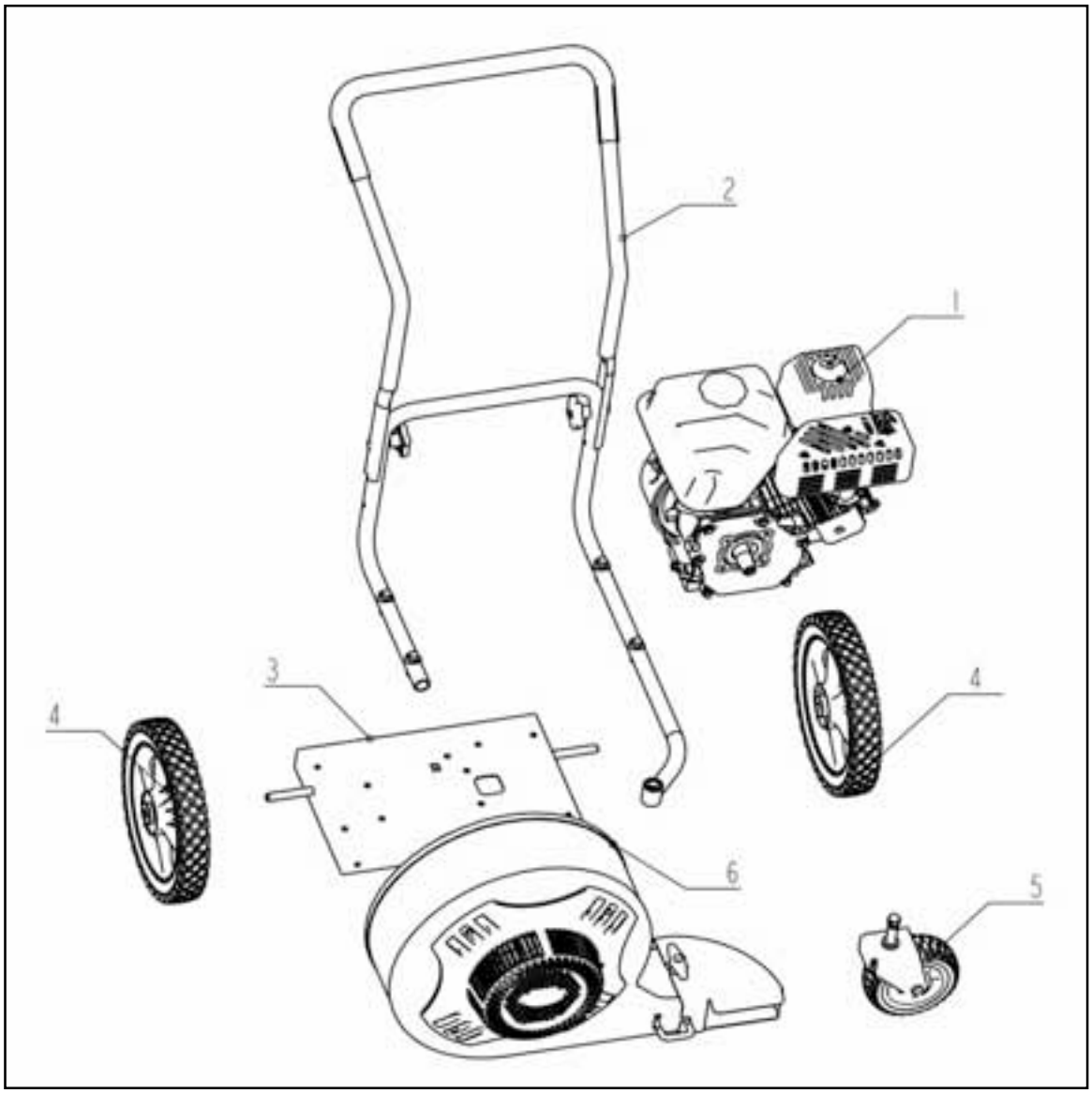
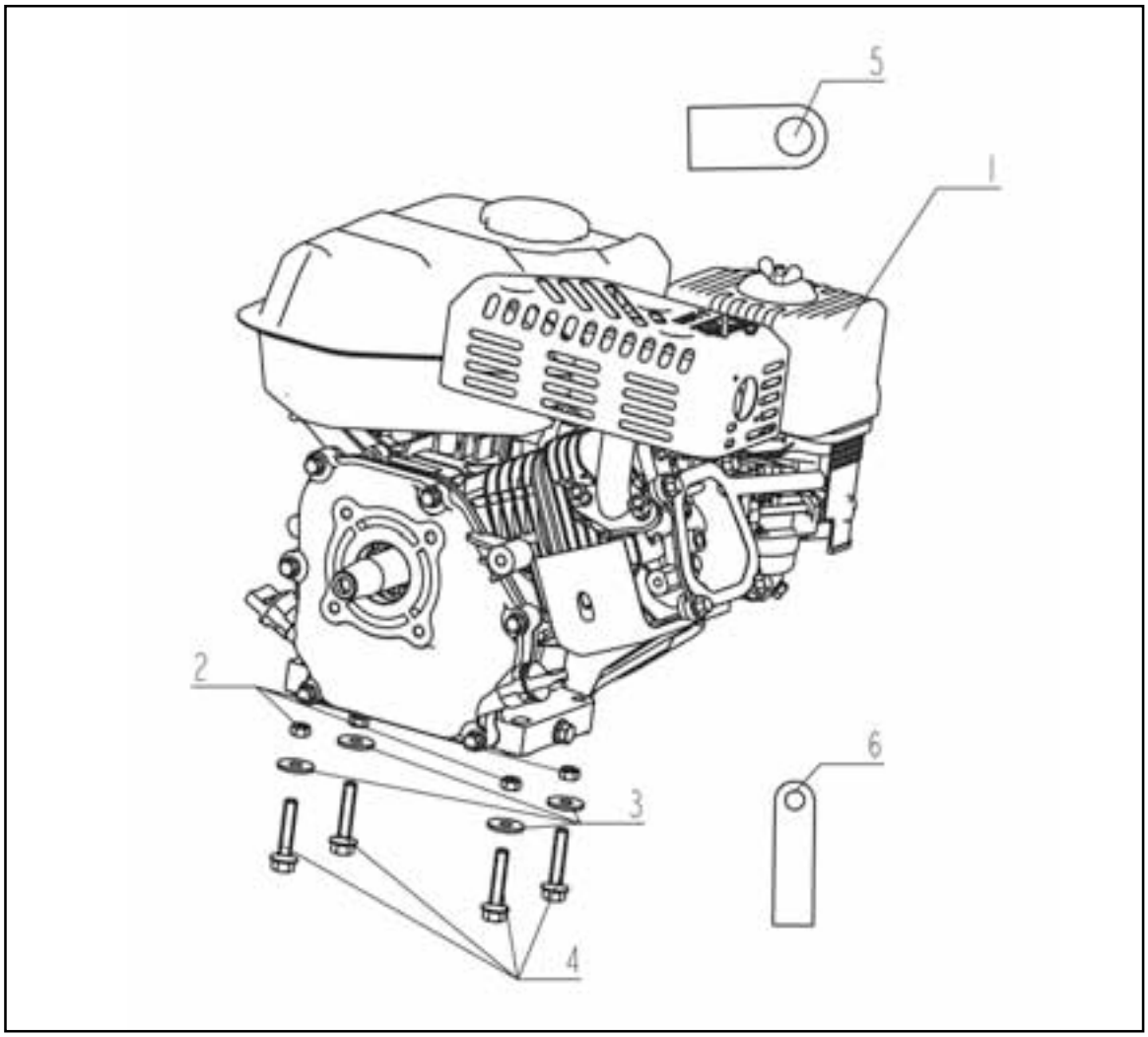
Top Level Assembly



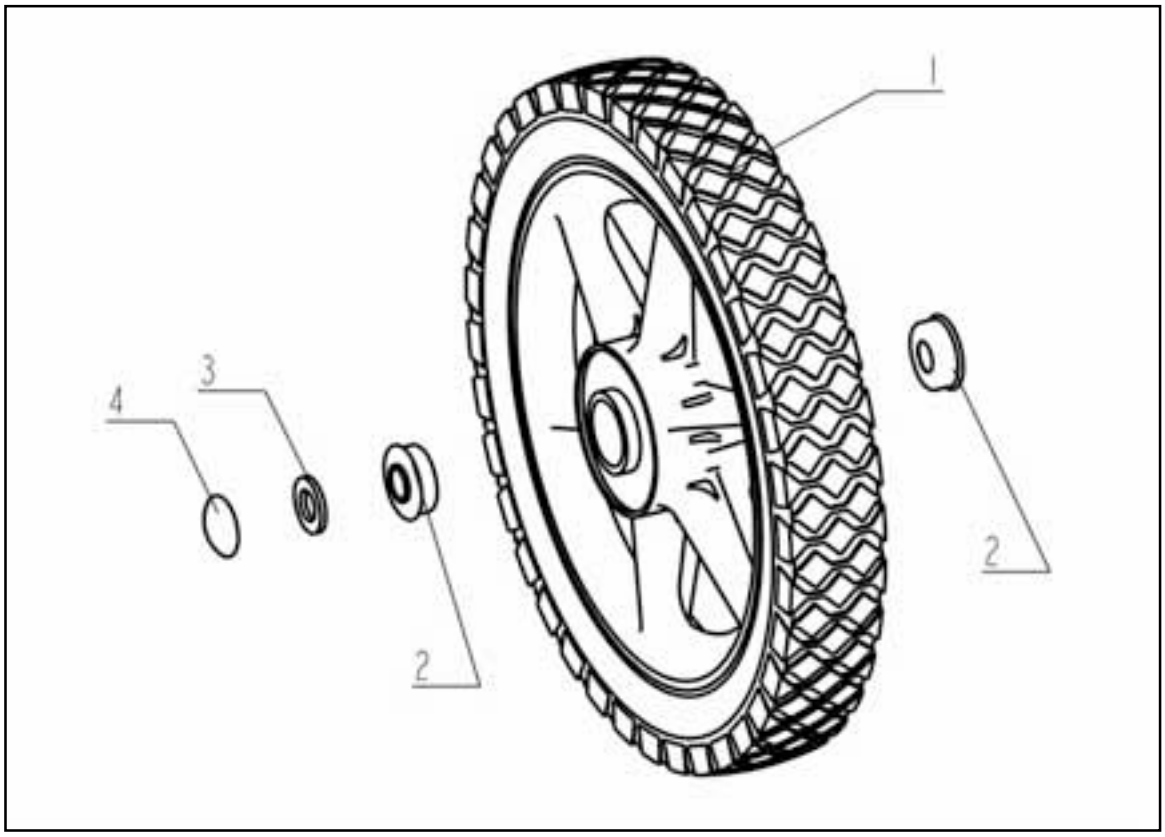
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Engine Top-Level Assembly	See Page 4	1
2	Handle/Tubing Assembly	See Page 8	1
3	Base Assembly	A200134 - See Page 7	1
4	Rear Wheel Assembly	A200135 - See Page 5	2
5	Front Wheel Assembly	A200136 - See Page 6	1
6	Fan and Housing Assembly	See Page 10	1

Engine – Top Level Assembly



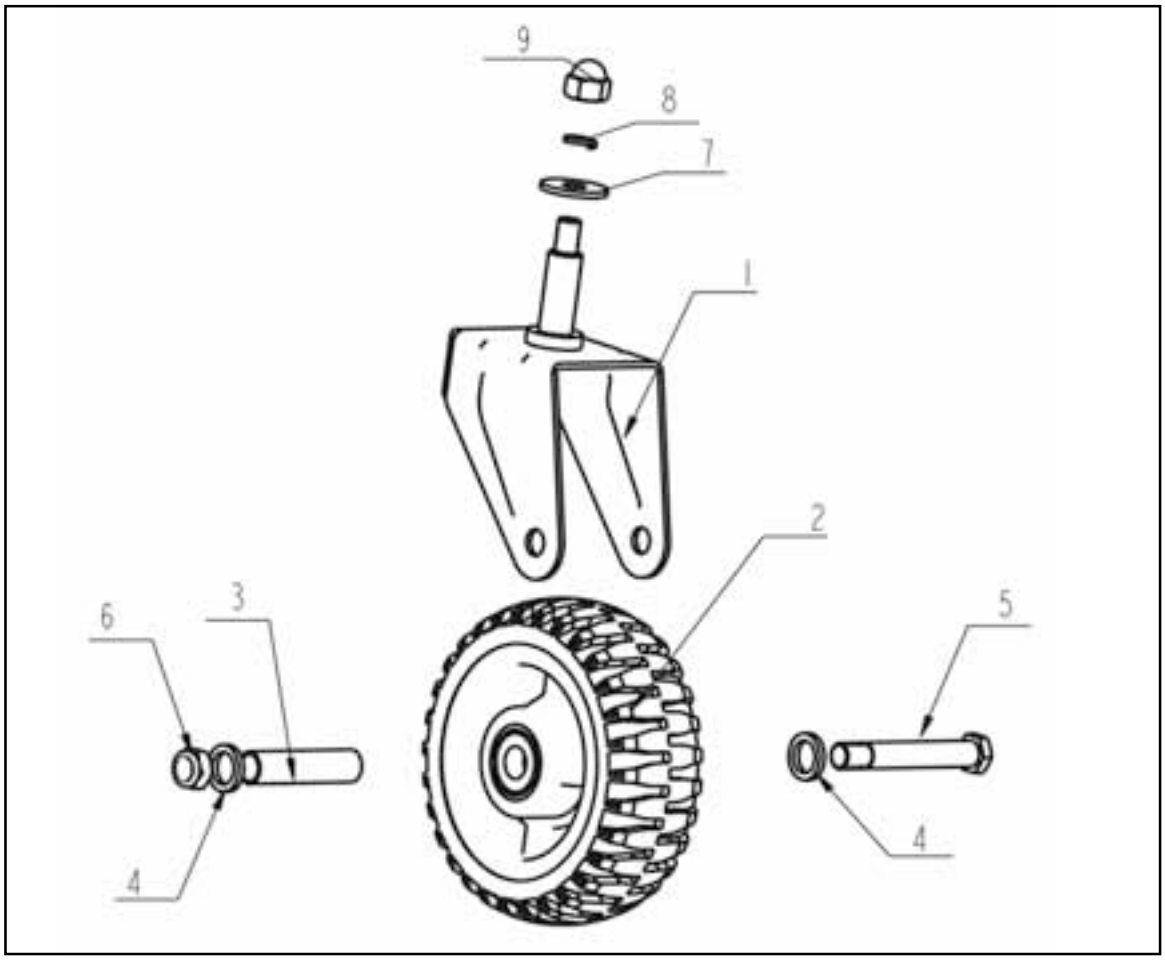
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Engine	A200416 - See Page 12	1
2	Nut M8	A200138	4
3	Flat Washer 8	A200139	4
4	Bolt M8x40	A200140	4
5	Oil Hang Tag - Fuel Tank	A101015	1
6	Oil Hang Tag - Oil Dipstick	A100979	1

Rear Wheel Assembly



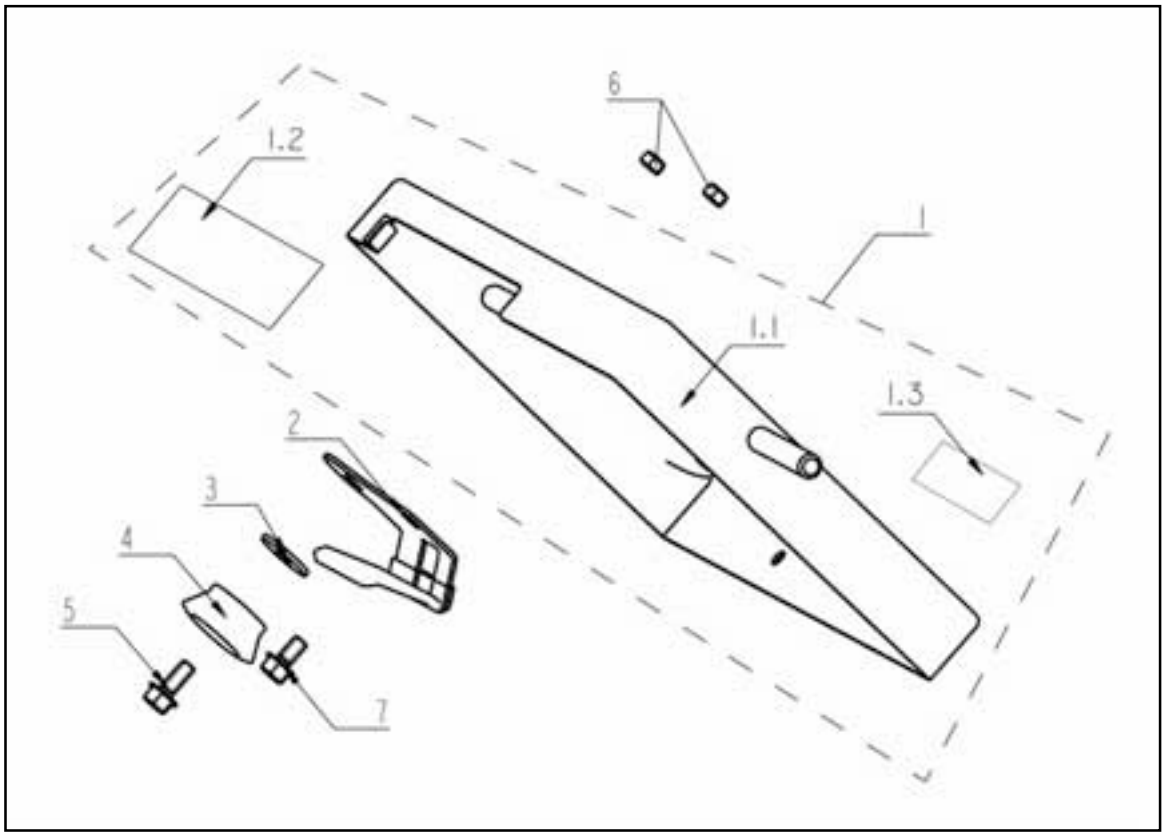
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Rear Wheel	A200158	1
2	Bearing	A200159	2
3	Flat Washer	A200160	1
4	Clip, Capped	A200161	1

Front Wheel Assembly



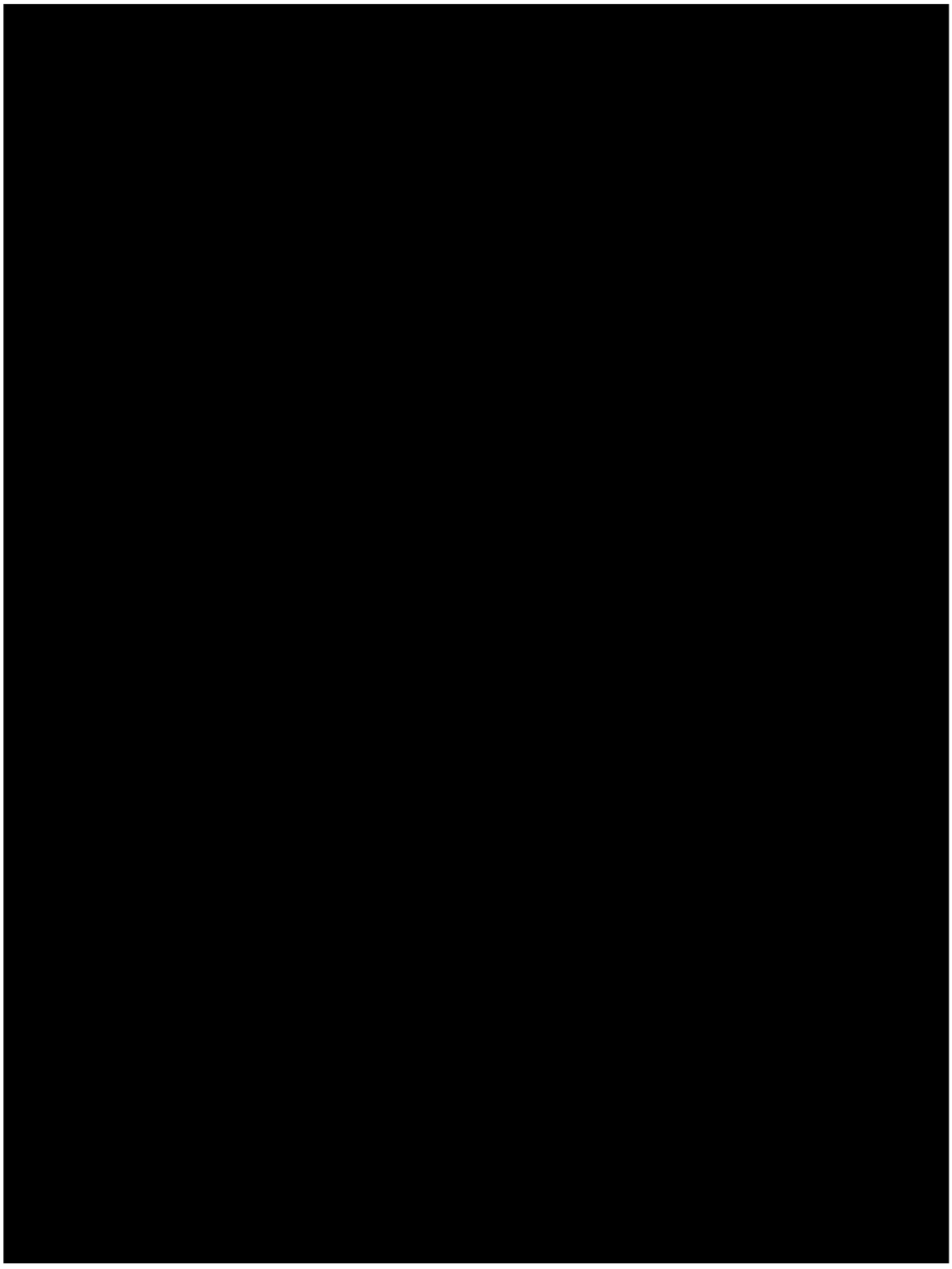
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Bracket, Front Wheel	A200162	1
2	Front Wheel w/ Bearings	A200163	1
3	Sleeve	A200165	1
4	Washer, Plastic	A200166	2
5	Bolt M12x80	A200167	1
6	Nut M12	A200168	1
7	Flat Washer 10	A200169	1
8	Spring Washer	A200170	1
9	Acorn Nut M10	A200171	1

Base Assembly



REF. NO.	DESCRIPTION	PART NO.	QTY
1	Base Sub Assembly	A200151	1
1.1	Base	For Reference Only	1
1.2	Label, Attachment Storage Location	A200152	1
1.3	Label, Oil Fill	A101019	1
2	Bracket, Attachment Storage	A200153	1
3	Flat Washer 8	A200139	1
4	Bumper, Rubber	A200155	1
5	Bolt M8x20	A200156	1
6	Nut M8	A200138	2
7	Bolt M8x16	A200157	1

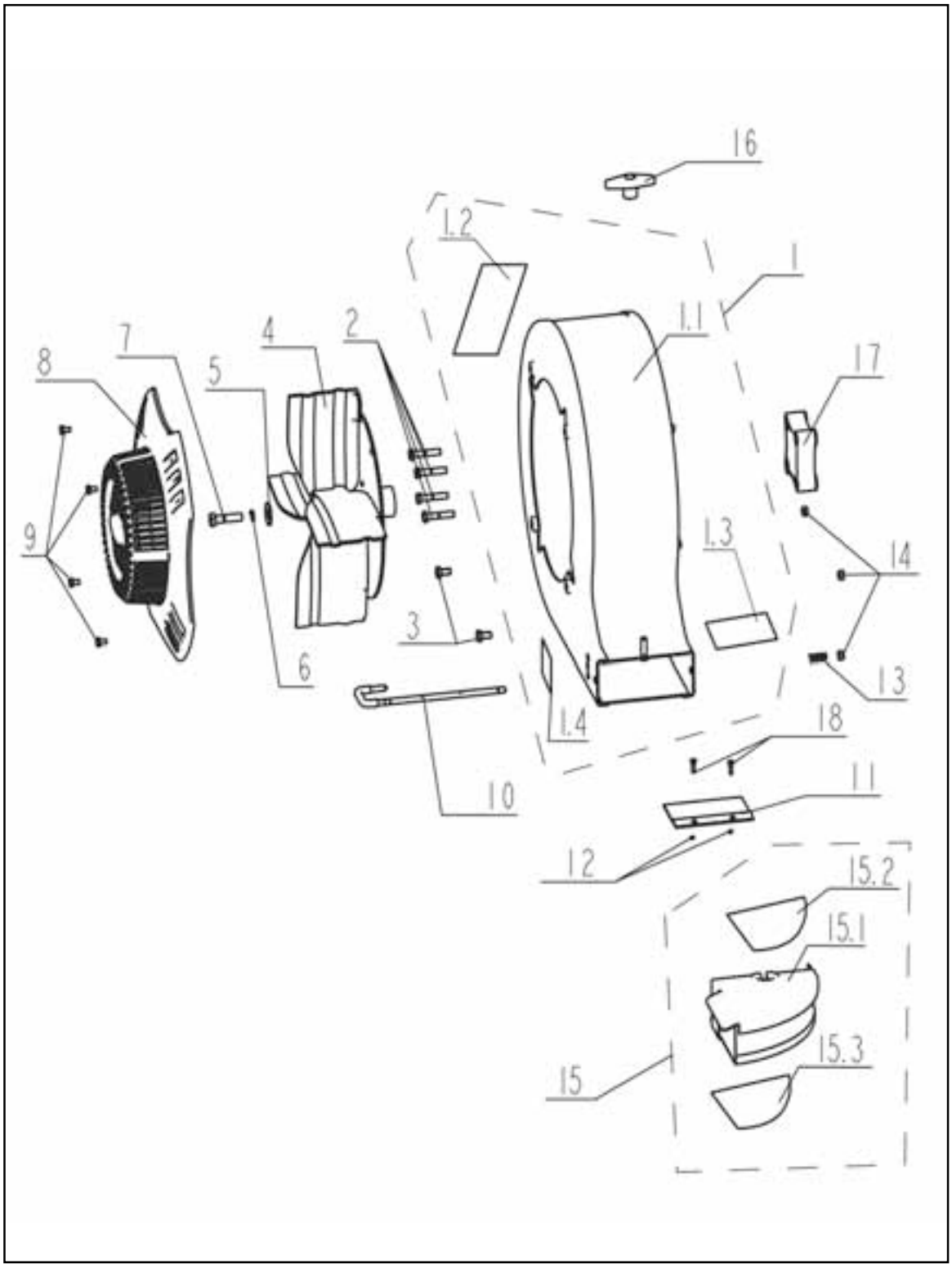
Handle / Tubing Assembly



Handle / Tubing Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Handle Assembly	A200164	1
1.1	Foam, Handle Tubing	A200141	1
1.2	Handle	A200142	1
2	Bolt M8x45	A200143	2
3	Tubing, Frame	A200144	1
4	Wingnut, Plastic	A200145	2
5	Bolt M8x40	A200140	4
6	Bend Washer 8	A200147	3
7	Flat Washer 8	A200139	3
8	Nut M8	A200138	4
9	Bushing, POM	A200148	2
10	Bracket, Tubing Support	A200149	1
11	Flat Washer	A200150	1

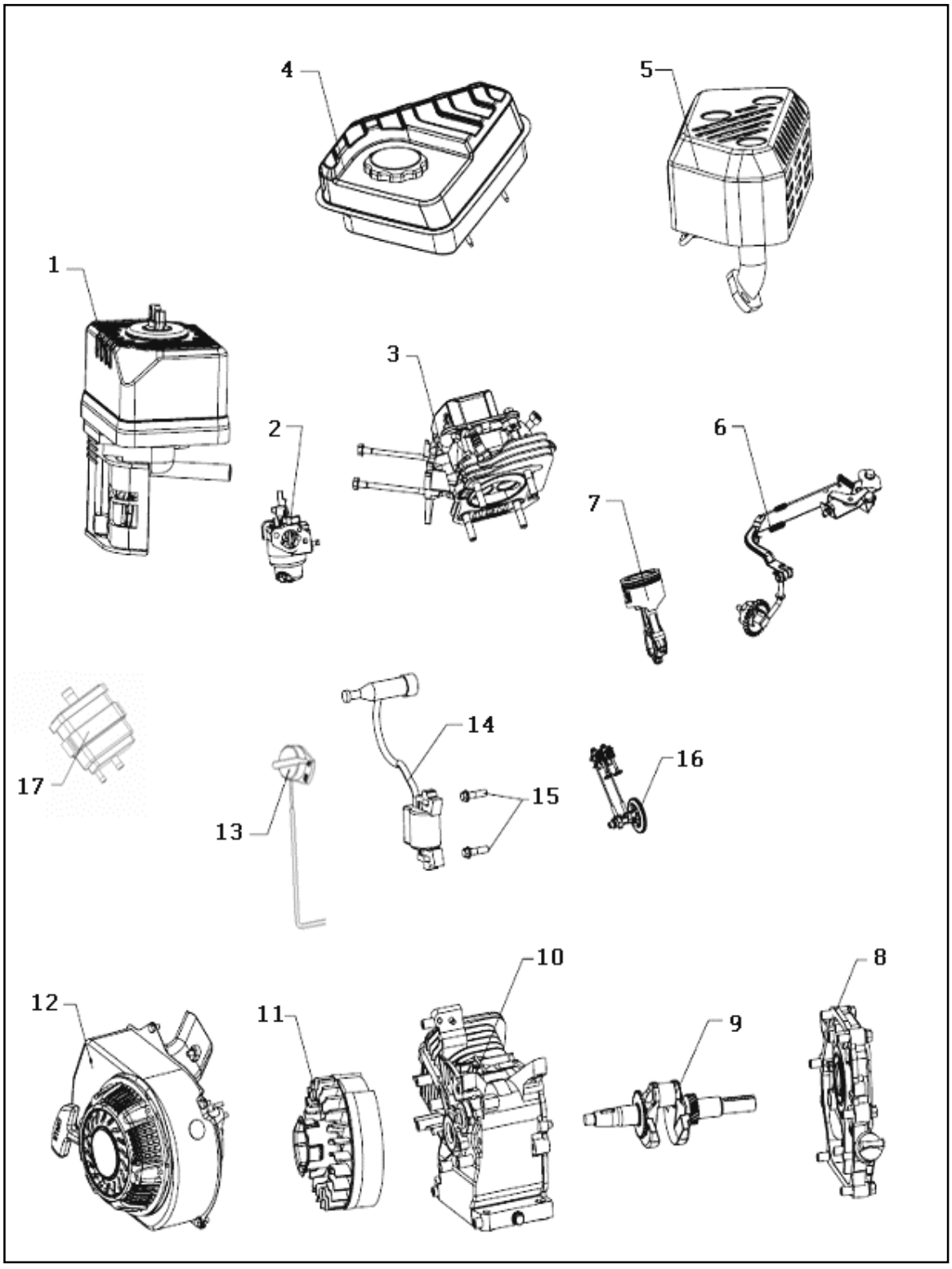
Fan and Housing Assembly



Fan and Housing Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Housing Assembly	A200172	1
1.1	Housing	For Reference Only	1
1.2	Label, Main Warning	A200173	1
1.3	Label, Symbol Warning	A200174	1
1.4	Label, Flow Angle	A200175	1
2	Bolt M8x40	A200140	4
3	Bolt M8x16	A200157	2
4	Fan	A200178	1
5	Flat Washer 10	A200169	1
6	Spring Washer	A200170	1
7	Bolt M10x40	A200180	1
8	Shroud, Intake	A200181	1
9	Bolt M6x12	A200182	4
10	Index Lever	A200183	1
11	Louver	A200184	1
12	Nut M4	A200185	2
13	Spring	A200186	1
14	Nut M8	A200138	3
15	Front Flow Attachment Assembly	A200187	1
15.1	Front Flow Attachment	For Reference Only	1
15.2	Label, Attachment Use	A200188	1
15.3	Label, Attachment Storage	A200189	1
16	Knob, Attachment	A200190	1
17	Guard, Crankshaft	A200191	1
18	Screw M4x16	A200192	2

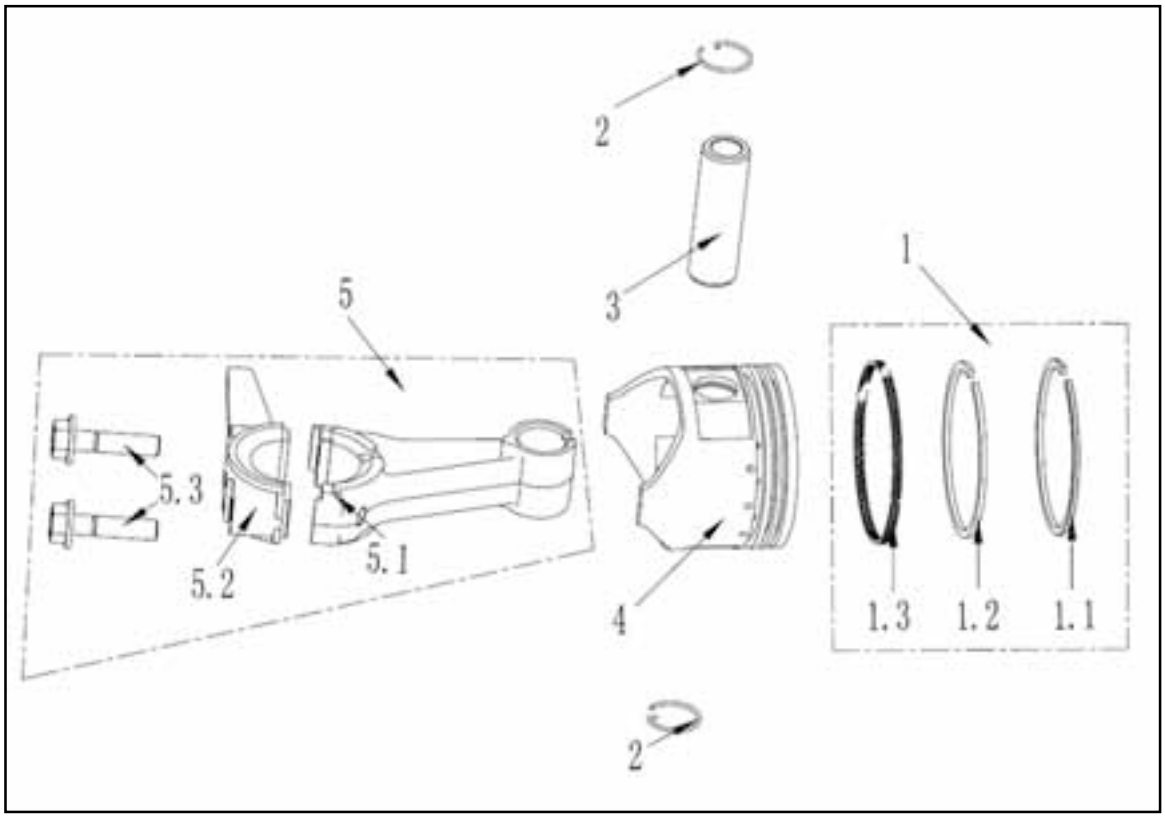
Engine – Sub Level Assembly



Engine – Sub Level Assembly

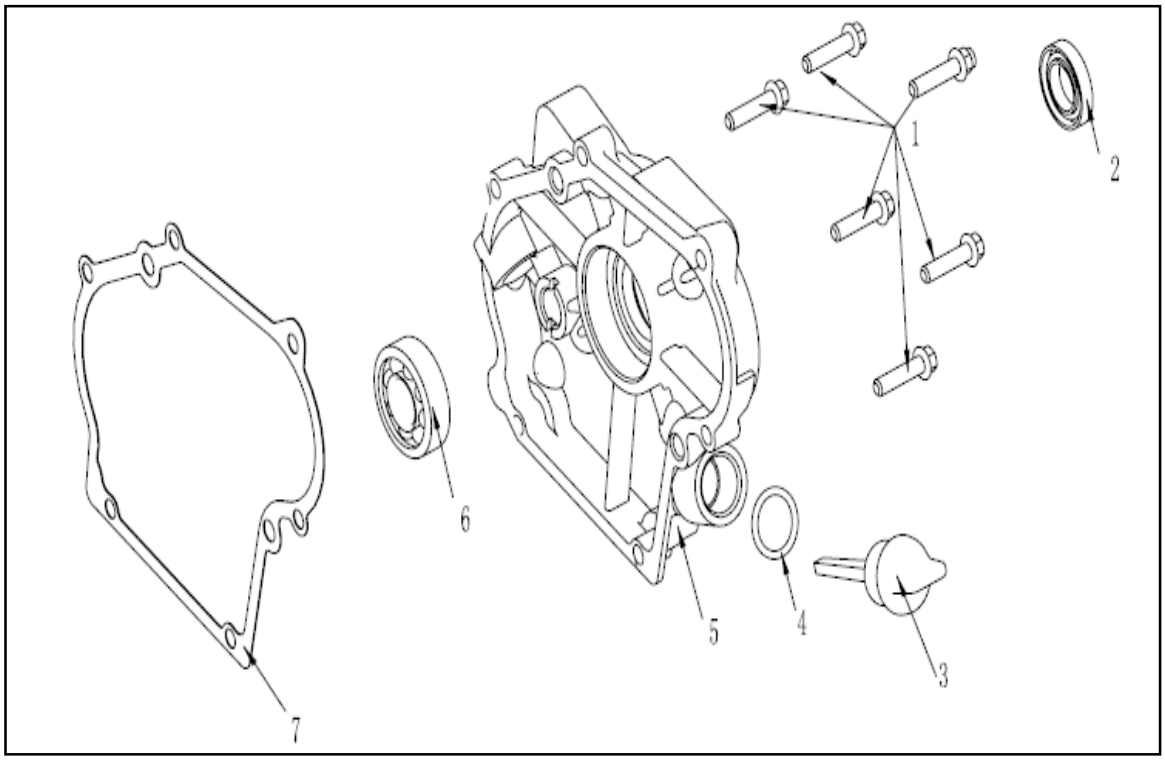
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Air Filter Assembly	See Page 17	1
2	Carburetor Assembly	See Page 18	1
3	Cylinder Head Assembly	See Page 26	1
4	Fuel Tank Assembly	See Page 21	1
5	Muffler Assembly	See Page 22	1
6	Centrifugal Governor Assembly	See Page 28	1
7	Piston & Connecting Rod Assembly	See Page 14	1
8	Crankcase Cover Assembly	See Page 15	1
9	Crankshaft Assembly	See Page 16	1
10	Crankcase Assembly	See Page 19	1
11	Fly Wheel Assembly	See Page 20	1
12	Engine Side Assembly	See Page 24	1
13	Switch, On-Off	A200195	1
14	Ignition Coil	A200194	1
15	Bolt	A101156	2
16	Valve Timing Assembly	See Page 30	1
17	Fuel Evaporation Filter Assembly	See Page 32	1

Piston / Connecting Rod Assembly



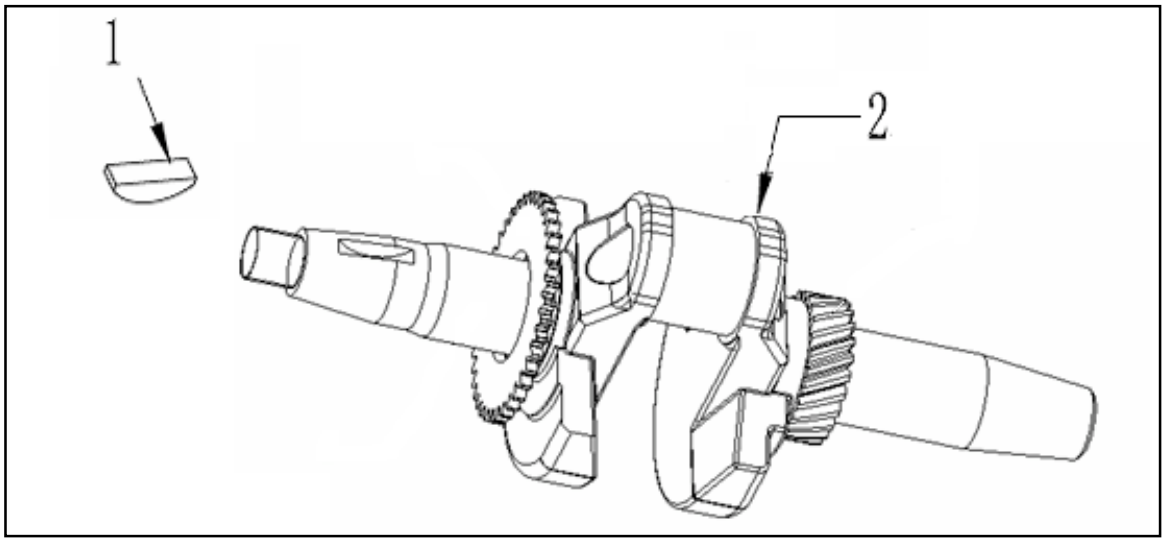
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Piston Ring Assembly	A101157	1
1.1	Ring, First	For Reference Only	1
1.2	Ring, Second	For Reference Only	1
1.3	Oil Ring	For Reference Only	1
2	Circlip, Piston Pin	A101158	2
3	Pin, Piston	A101159	1
4	Piston	A101160	1
5	Connecting Rod Assembly	A101161	1
5.1	Connecting Rod Body	For Reference Only	1
5.2	Connecting Rod Cover	For Reference Only	1
5.3	Connecting Rod Bolt	For Reference Only	2

Crankcase Cover Assembly



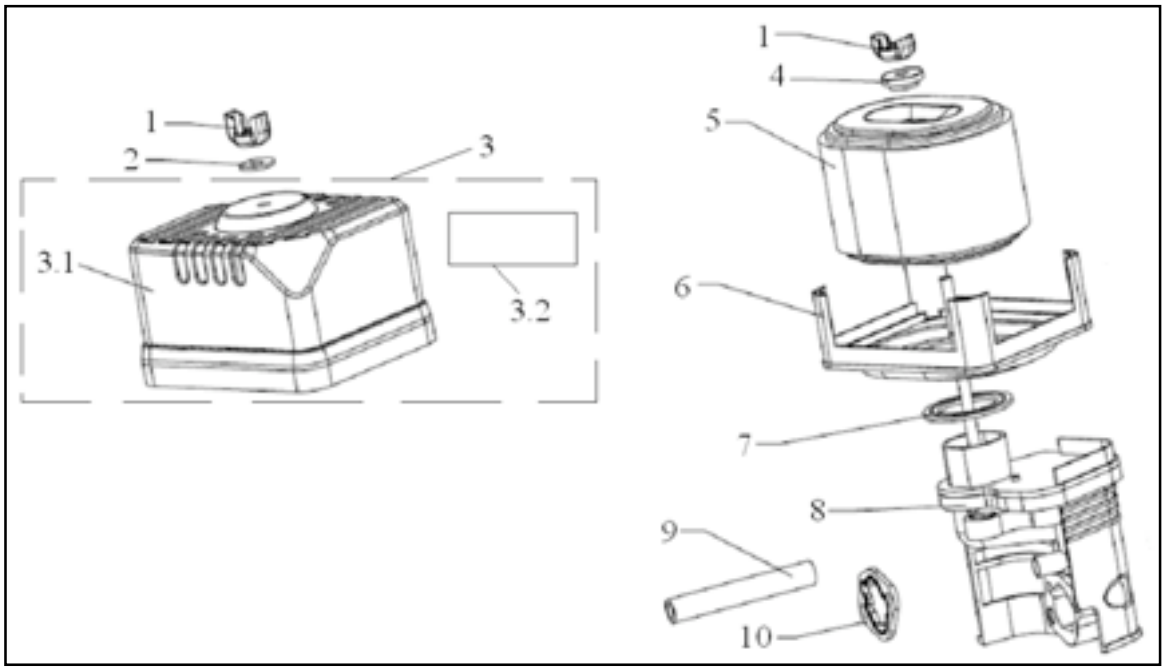
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Bolt	A101162	6
2	Oil Seal	A100675	1
3	Dipstick	A101163	1
4	Oil Seal, Dipstick	A101164	1
5	Cover, Crankcase	A101165	1
6	Bearing	A101137	1
7	Gasket, Crankcase	A101166	1

Crankshaft Assembly



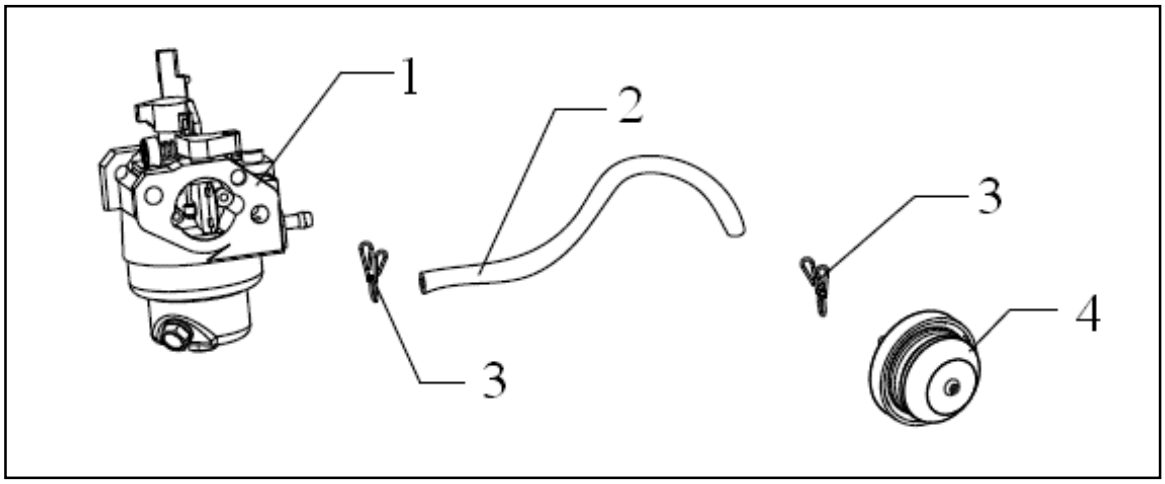
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Semicircular Key	A100688	1
2	Crankshaft	A200193	1

Air Filter Assembly



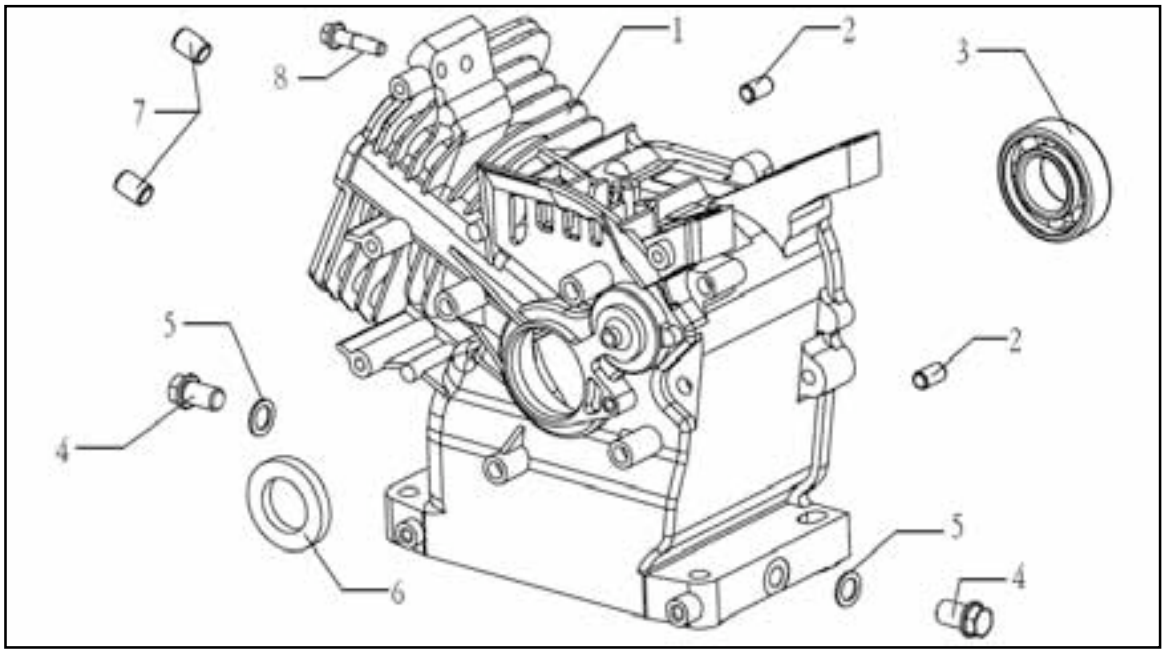
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Wingnut	A101168	2
2	Washer	A101169	1
3	Air Filter Cover Assembly	A101170	1
3.1	Air Filter Cover	For Reference Only	1
3.2	Label, Air Cleaner Maintenance	A101097	1
4	Seal Spacer	A101171	1
5	Air Cleaner Element	A101172	1
6	Air Cleaner Housing	A101173	1
7	Seal Spacer	A101174	1
8	Air Cleaner Body	A200417	1
9	Breather Tube	A101177	1
10	Spacer	A101178	1

Carburetor Assembly



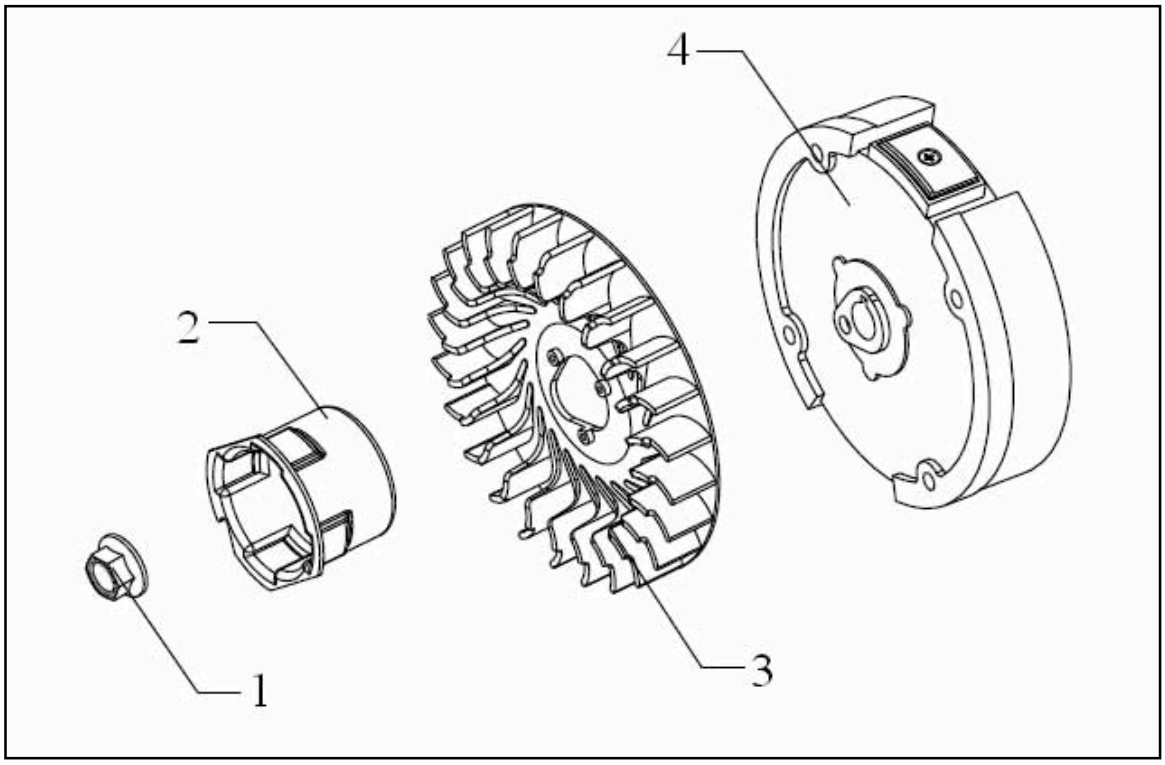
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Carburetor	A200196	1
2	Fuel Line	A101180	1
3	Clamp, Fuel Line, ø 6.5	A100677	2
4	Primer Bulb	A101096	1

Crankcase Assembly



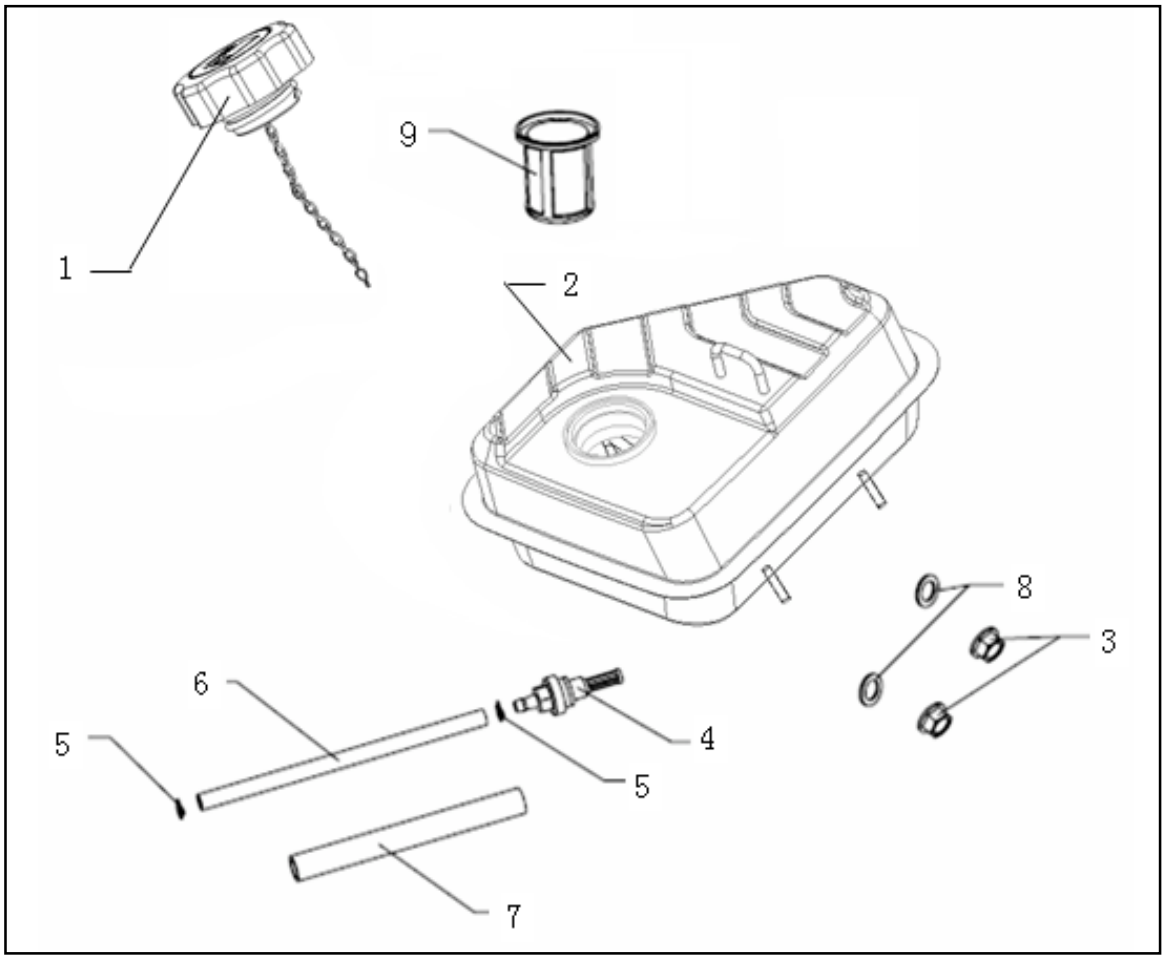
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Crankcase Body	A101181	1
2	Guide Dowel	A101182	2
3	Bearing	A101137	1
4	Drain Plug	A101183	2
5	Washer, Drain Plug	A100721	2
6	Oil Seal	A100675	1
7	Guide Dowel	A101184	2
8	Bolt	A101185	1

Fly Wheel Assembly



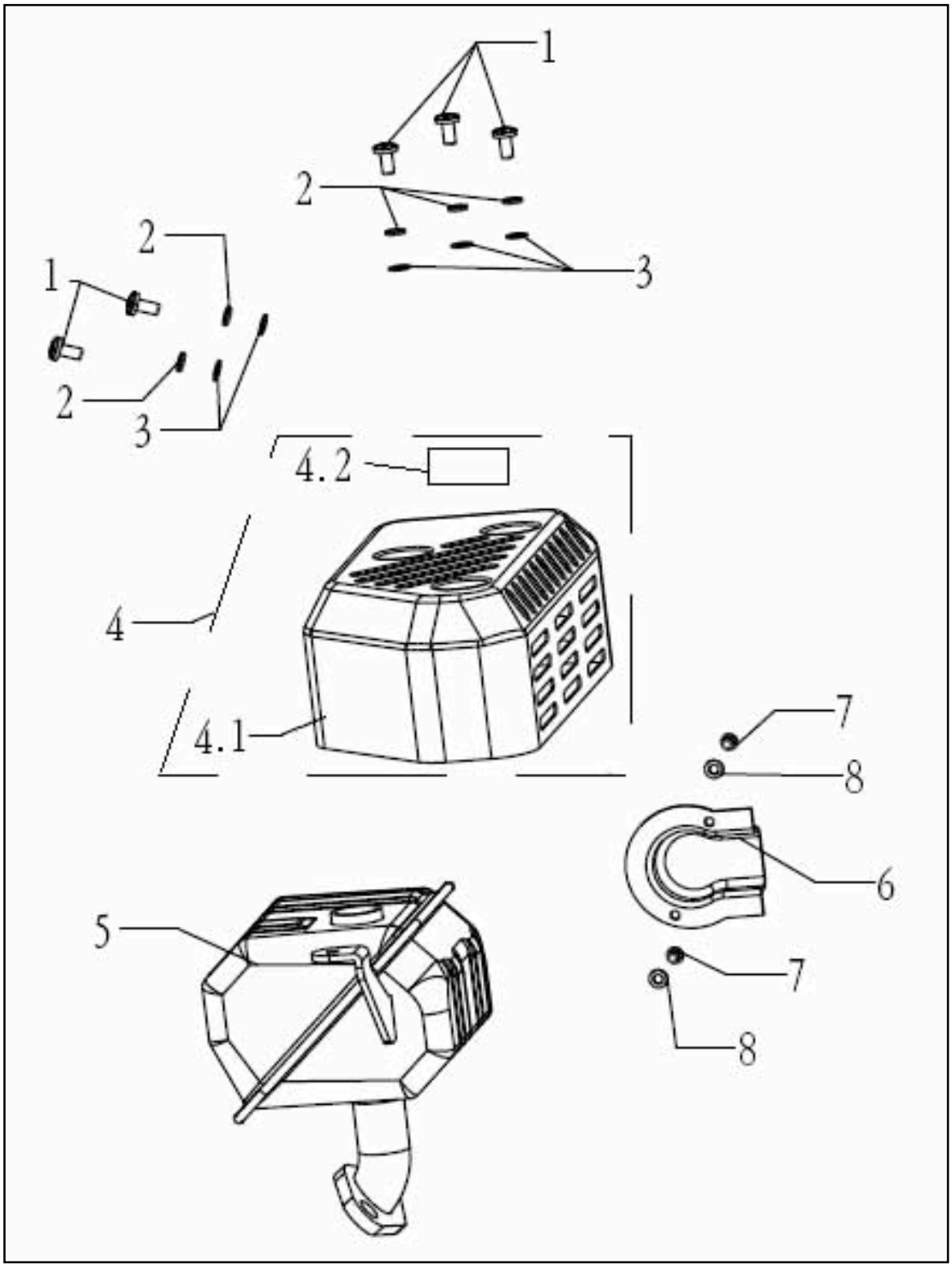
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Nut, Clamp	A101186	1
2	Start-Up Ratchet Gear	A200093	1
3	Fan Wheel	A101187	1
4	Flying Wheel	A101188	1

Fuel Tank Assembly



REF. NO.	DESCRIPTION	PART NO.	QTY
1	Fuel Tank Cap + Chain	A200418	1
2	Fuel Tank	A200419	1
3	Nut	A101139	2
4	Fuel Line Fitting / Filter	A101191	1
5	Clamp, Fuel Line	A101192	2
6	Fuel Line	A101193	1
7	Sleeve, Protecting	A101194	1
8	Washer, Shock Absorbing	A101195	2
9	Filter Net	A101189	1

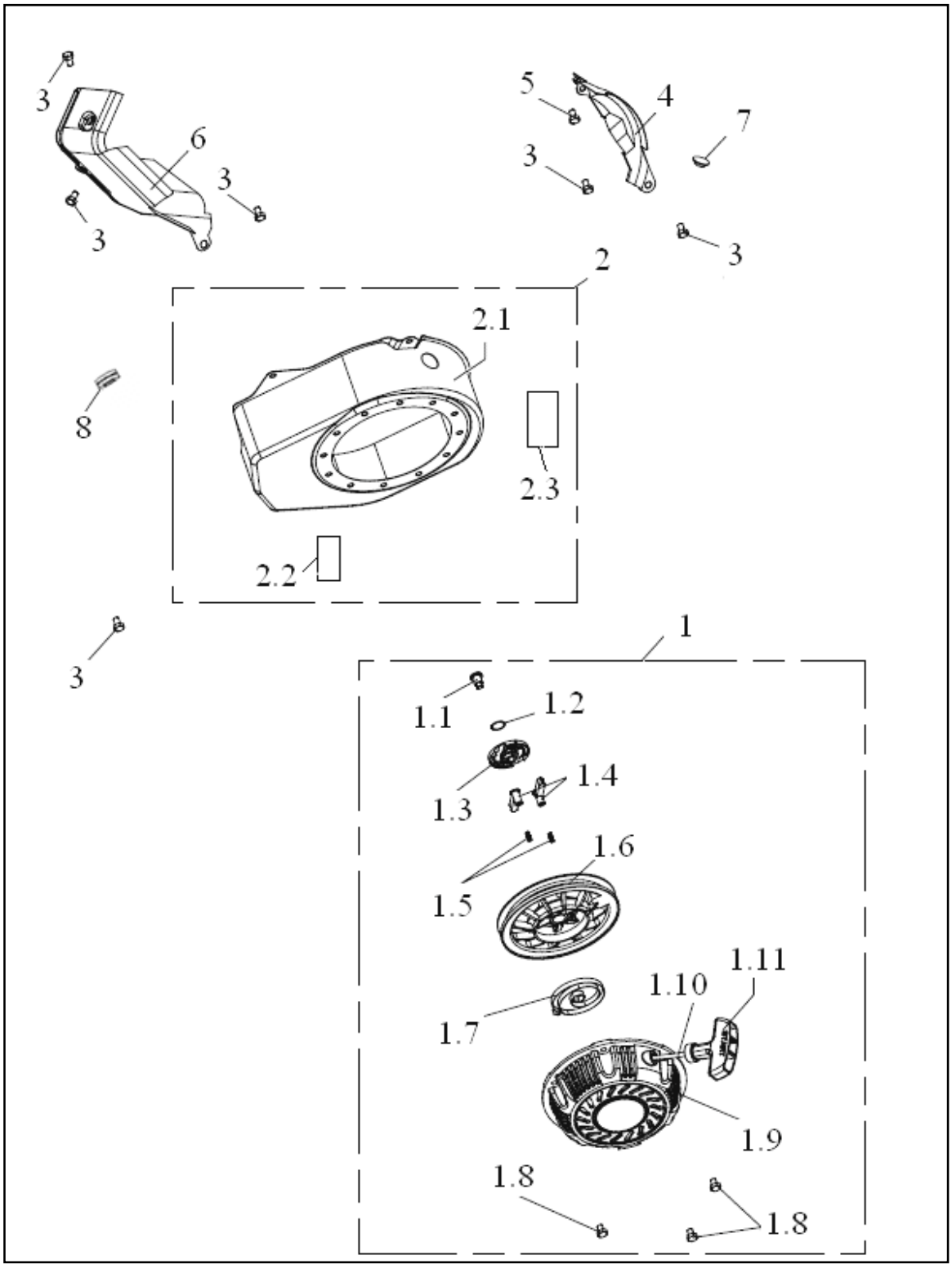
Muffler Assembly



Muffler Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Bolt	A101196	5
2	Spring Washer	A101197	5
3	Washer	A101198	5
4	Muffler Cover Assembly	A101199	1
4.1	Muffler Cover	For Reference Only	1
4.2	Label, Hot Surface	A100978	1
5	Muffler	A101200	1
6	Redirector, Exhaust	A101201	1
7	Bolt	A101202	2
8	Washer	A101203	2

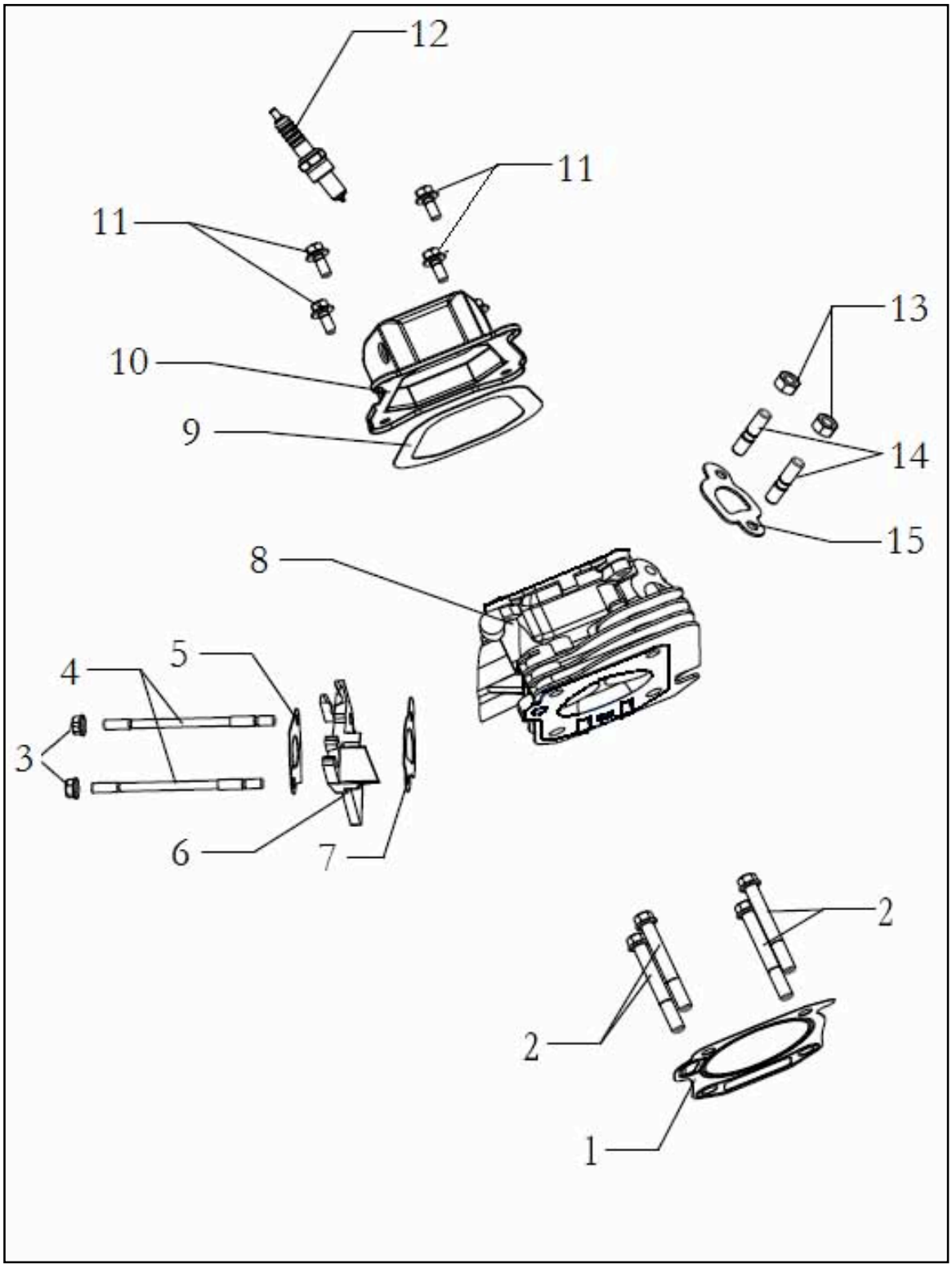
Engine Side Assembly



Engine Side Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Starter Assembly	A101204	1
1.1	Screw	A100689	1
1.2	Circlip	A101205	1
1.3	Guide Pan	A100690	1
1.4	Ratchet	A100691	2
1.5	Compression Spring	A100692	2
1.6	Spool	A101206	1
1.7	Wind Spring	A101207	1
1.8	Bolt	A101208	3
1.9	Starter Cover	A101209	1
1.10	Starter Rope	A200197	1
1.11	Handle, Recoil Starter	A100980	1
2	Engine Side Cover Assembly	A101211	1
2.1	Engine Side Cover	For Reference Only	1
2.2	Label, Primer	A101212	1
2.3	Label, EPA	A101213	1
3	Bolt	A101214	6
4	Shield 1	A200198	1
5	Bolt	A101138	1
6	Shield 2	A200420	1
7	Plug	A101217	1
8	Bushing, Rubber	A200199	1

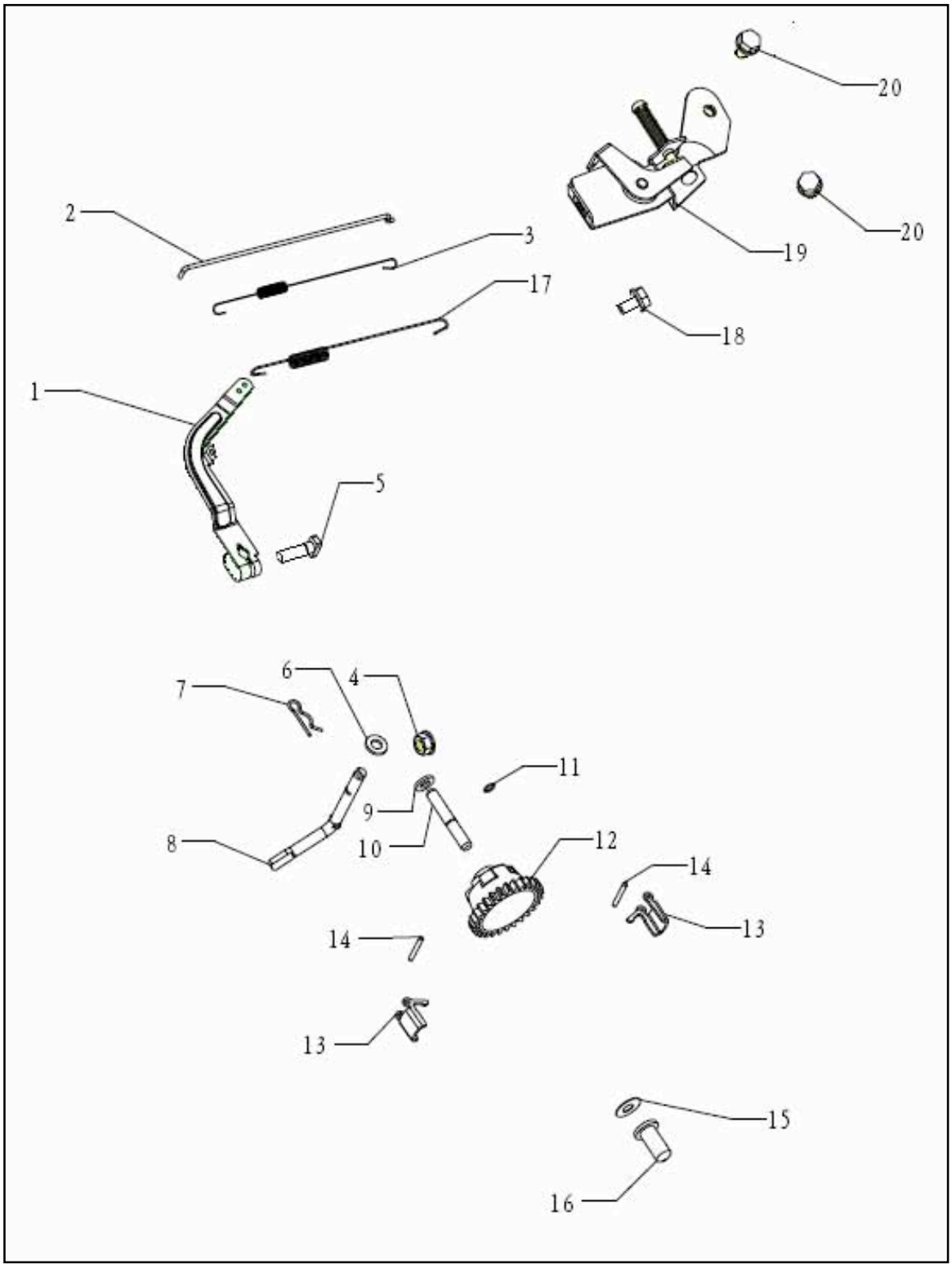
Cylinder Head Assembly



Cylinder Head Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Gasket, Cylinder Head	A101218	1
2	Bolt, Cylinder Head	A101219	4
3	Nut	A101139	2
4	Double End Stud	A101225	2
5	Gasket, Intake 1	A101226	1
6	Spacer, Heat Insulating	A101227	1
7	Gasket, Intake 2	A101228	1
8	Cylinder Head	A101229	1
9	Gasket, Cylinder Head Cover	A101230	1
10	Cylinder Head Cover	A101231	1
11	Bolt	A101138	4
12	Spark Plug	A101232	1
13	Nut	A101233	2
14	Double End Stud	A100735	2
15	Gasket, Exhaust	A101234	1

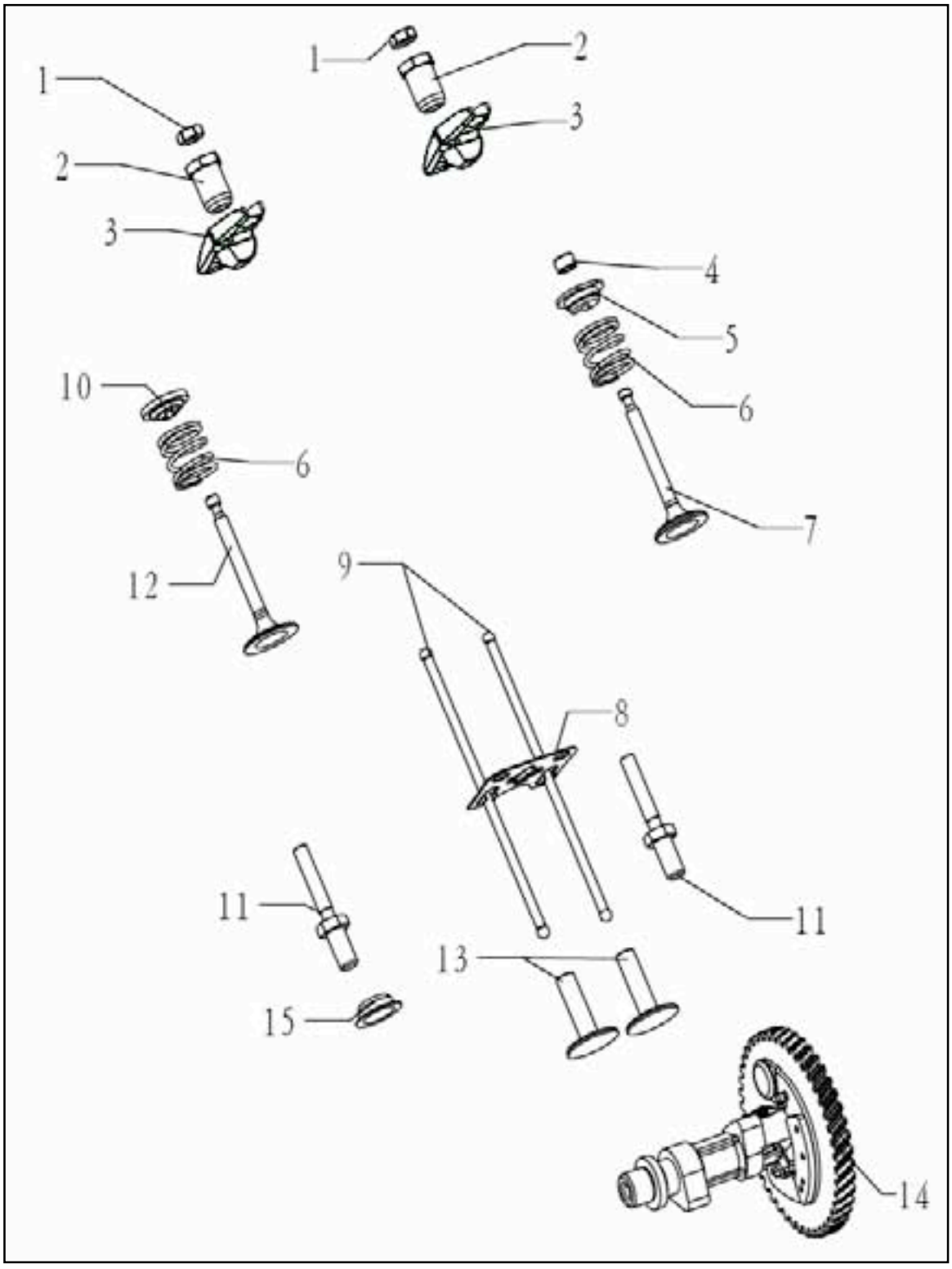
Centrifugal Governor Assembly



Centrifugal Governor Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Arm	A101235	1
2	Rod, Tension	A101236	1
3	Spring 2, Tension	A101237	1
4	Nut	A101139	1
5	Bolt, Square	A101238	1
6	Spacer 2	A101239	1
7	Hair Pin	A100636	1
8	Governor Crank	A101240	1
9	Spacer 1	A101241	1
10	Pin	A100728	1
11	Snap Spring	A100729	1
12	Body, Centrifugal Governor	A101242	1
13	Pawl	A101243	2
14	Pin	A101244	2
15	Spacer 3	A100771	1
16	Cover, Push Rod	A101245	1
17	Spring 1, Tension	A101246	1
18	Bolt	A101247	1
19	RPM Adjustment Mechanism	A101248	1
20	Bolt	A101249	2

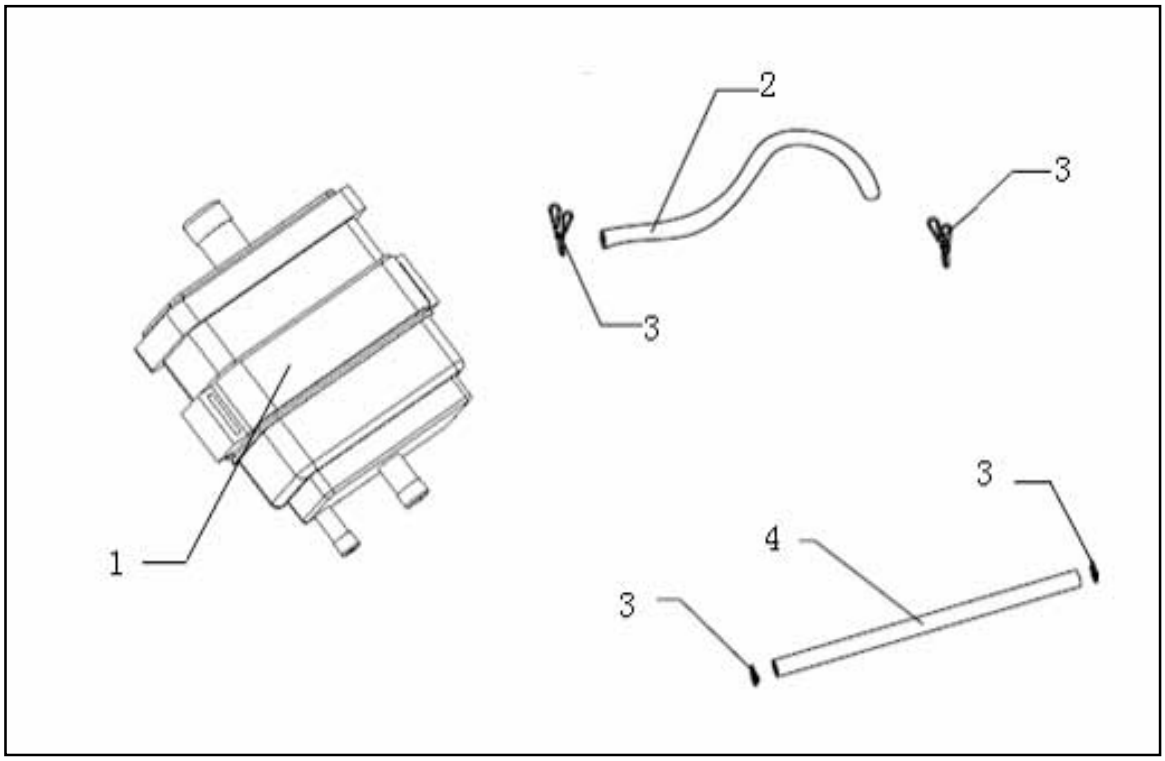
Valve Timing Assembly



Valve Timing Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Nut, Valve Clearance Adjustment	A101250	2
2	Spacer, Arm	A101251	2
3	Arm	A101252	2
4	Cap, Exhaust Rod	A101253	1
5	Upper Retainer, Exhaust Valve Spring	A101254	1
6	Spring, Valve	A101255	2
7	Valve, Exhaust	A101256	1
8	Guide Plate, Connecting Stud	A101257	1
9	Rod, Connecting	A101142	2
10	Upper Retainer, Intake Valve Spring	A101143	1
11	Adjusting Stud, Valve Clearance	A101220	2
12	Valve, Intake	A101221	1
13	Stud, Connecting	A101222	2
14	Camshaft	A101223	1
15	Oil Seal, Valve	A101224	1

Fuel Evaporation Filter Assembly



REF. NO.	DESCRIPTION	PART NO.	QTY
1	Carbon Filter + Attachment Strap	A200421	1
2	Hose, Fuel Vapor to Air Filter	A200422	1
3	Clamp, Fuel Hose	A200423	4
4	Hose, Fuel Vapor to Fuel Tank	A200424	1